LOW NOISE 100 MHZ OSCILLATORS

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LOW NOISE 100 MHZ CRYSTAL OSCILLATORS AS REFERENCE AT MICROWAVES

- Rationale: need low Phase Noise Oscillators as reference for microwave synthesizers
- What is Phase Noise?
- Effects of high PN
- How do you measure PN?
- Starting point: DG4KBF VCXO @ 100 MHz
- Some measurements
- The PLL stabilized VCXO: measurement and construction notes
- Conclusion